

ABSTRACT

A wine must pump (10) for pumping a wine product (23) such as must or pomace, has an
5 intake port (14) for receiving the wine product (23), a discharge port (16) for discharging the
wine product (23) under pressure, vacuum chamber (20), connected to the inlet port (14), for
receiving and separating wine product (23) from air, a pressure valve (26) for allowing the wine
product (23) to remove from the vacuum chamber (20) and an air pump (18) for providing the
vacuum and forced air. A thermal transfer unit (28) removes heat from air exiting the air pump
10 (18) such that the wine product (23) is not harmed thereby. A demister (39) removes moisture
from recycled air entering the air pump (18). Silencers (74), (76) and (86), and an air pump
sound box (110), provide for the quiet operation of the wine must pump (10).